

# Comparisons of Job Characteristics

**Focus Occupation:** [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

**Associated Occupation:** [Water and Wastewater Treatment Plant and System Operators \(51-8031\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

**Focus Occupation:** [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

**Associated Occupation:** [Water and Wastewater Treatment Plant and System Operators \(51-8031\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	14.8	17.1	> Current knowledge level is likely sufficient
Mathematics	9.2	13.5	12.2	< Expanded education and/or training may be required
Physics	4.3	13.2	10.1	<< Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	12.7	0 Current knowledge level may be sufficient
Chemistry	4.8	12.6	7.2	<< Extensive education and/or training may be required
Engineering and Technology	5.7	11.1	9.3	< Expanded education and/or training may be required
Biology	3.7	10.9	2.4	<< Extensive education and/or training may be required
Production and Processing	6.0	10.8	4.2	<< Extensive education and/or training may be required
Building and Construction	4.0	10.0	8.4	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 81

**Focus Occupation:** [Electrical and Electronics Repairers, Powerhouse, Substation, and Relay \(49-2095\)](#)

**Associated Occupation:** [Water and Wastewater Treatment Plant and System Operators \(51-8031\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
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Operation Monitoring	6.6	11.9	10.0	<	A higher skill level may be required
Operation and Control	5.4	11.4	8.3	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.3	10.2	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.3	11.4	>	Skill level is likely sufficient
Troubleshooting	4.5	9.3	10.7	>	Skill level is likely sufficient
Repairing	3.4	9.0	11.1	>	Skill level is likely sufficient
Equipment Selection	3.3	7.4	5.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095) Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Perceptual Speed	7.4	9.8	8.6	<	Some improvement in abilities may be required
Depth Perception	5.3	8.0	7.0	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	7.1	4.4	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	6.9	3.8	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	6.9	4.3	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	5.4	4.8	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 65
<b>Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)</b> <b>Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)</b>		
Work Activities	Exclusivity of Activity	
Clean equipment or machinery	20	
Maintain or repair industrial or related equipment/machinery	39	
Test materials or solutions	73	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)**

**Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)**

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.